STANFORD RESEARCH INSTITUTE

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Date: 2/2 + 1/6/

Location:

Answering:

your tracer method of finding cyclohexane treishougher acid is a sound one, but my & main interest in ingetteing enough cyclic Tremer so that a sensitive analysis is not needed. It looks as if my vadiation experiments are stalled for few weeks for lack of assistance.

as for your question about methon ices in cornets and their polyneregation, Sam no authority on these matters, but I will do the best Ican, The vafor freezen of methane is Imm. of Ag at 67.3°, 10 mm. at 77.7 ok. Haur maan eint hij enaugh to hold an atmosphere, I don't see how a comet can. Even at 10-50°K, I would expect a comet to love methane in auter space. If it is close enough & receive much solar

radiation, its temperature ex inevitably much higher. He fortulate that camets are comfored mainly of frozen methene ice, it follows immediately that the folymerization of methous must be inefficient or there wouldn't be so much methow there. I think that Methone is the Whole steely radiation night shift the equilouin slightly toward - higher alkanen,

it will also frevent them from accumulating.

In summary, I am very dubious about getting much higher alkanse from methow in cometa, but I leave it & you as & how good my reasons are